BENGALURU SOUTH CITY CORPORATION

REQUEST FOR PROPOSAL FOR

Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)

Office of the

Executive Engineer – Zone 1 & 2
Traffic Engineering and Mobility Cell
Bengaluru South City Corporation
2nd Floor, 9th Main Road, Jayanagara East, 2nd Block,
Bengaluru – 560011

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Bengaluru South City Corporation

Office of the Executive Engineer, Traffic Engineering and Mobility Cell, 2nd floor, 9th Main Road, Jayanagara East, 2nd block, Bengaluru -560011 email: tecsouthpalike@gmail.com

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No: EE /BSCC/TE & M Cell/TEND/07/2026-27 Date: 22.05.2026

INVITATION FOR SHORT TERM TENDER
(Only through KPP Portal) Two Cover System

1. The Executive Engineer, Traffic Engineering and Mobility Cell, BSCC, Bengaluru on behalf of the Commissioner, BSCC invites tenders from eligible Contractors firm registered in Bengaluru South City Corporation or equivalent registration with Labour Department or any State Government Organizations for the **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode** (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots) as detailed in the table below. The tenderers may submit tenders for Service given in the table through KPP Portal of the Government of Karnataka (viz https://kppp.karnataka.gov.in). The tenderers are advised to note the minimum qualification criteria specified as per **RFP** Documents the Instructions to Tenderers to qualify for award of the contract.

2. Tender documents may be downloaded from the KPP portal of the Government of Karnataka from **26.05.2026.**

3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for **180** days beyond the validity of the tender.

4. Tenders must be submitted online through KPP portal on or before **16.00 hours on 08.06.2026** and the opening of tenders will be as per e procurement portal guidelines.

5. Other details can be seen in the tender documents:

Consultant

Executive Engineer
Traffic Engineering & Mobility Cell
Bengaluru South City Corporation

Sl. No.	Description	EMD (In Rs)	Tender Fee	Concession Period of Contract
1	Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)	11,25,000/-	As per KPP Portal	5 Years

Note:

1. Pre-bid Meeting will be held on **03.06.2026 at 15.00 Hrs. noon** in the office of the Chief Engineer, Bengaluru South City Corporation, 2nd floor, 9th Main Road, Jayanagara East, 2nd block, Bengaluru - 560011 to clarify the issue and answer questions on any matter that may be raised at the stage as stated in " Instructions to Bidders" of the Bidding document.
2. Technical Bids will be opened on the website https://kppp.karnataka.gov.in in the office of the Executive Engineer, Traffic Engineering and Mobility Cell, Zone-1 & 2, BSCC, Bengaluru on **09.06.2026** after **16.30 hrs**.
3. Aspiring Bidders/Contractors who have not registered in KPPP should register before participating through the website https://kppp.karnataka.gov.in
4. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with the bid.
5. Selection of the Service Provider shall be carried out under the Quality cum Cost Based Selection (QCBS) method, as set forth in this RFP.
6. All the required information required for Bids must be filled and submitted online.
7. For details, registration and e-payment visit GOK KPPP website https://kppp.karnataka.gov.in or contact KPPP Helpdesk at 080 – 22371090, 22373788.
8. All other conditions remain the same as per RFP.
9. Addendum or Corrigendum of the above work will be updated only in the KPPP portal.

Sd/-
Executive Engineer – Zone 1 & 2
Traffic Engineering and Mobility Cell
Bengaluru South City Corporation

Copy Submitted to:

1. The Commissioner, BSCC for kind information.
2. Additional Commissioner (Development), BSCC for kind information.
3. Chief Engineer (Zone - 1 & 2), BSCC for kind information.
4. Superintending Engineer (Zone 1 & 2), BSCC for kind information.
5. Public Relation Officer, BSCC with a request to take full action to publish the same in any two leading daily newspapers (in Kannada and English).
6. Office Copy.

Executive Engineer – Zone 1 & 2
Traffic Engineering and Mobility Cell
Bengaluru South City Corporation

SECTION 1. LETTER OF INVITATION

Dear Sir/Madam,

Bengaluru South City Corporation is desirous of obtaining services for the **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots).** Under the PPP model, the selected Service Provider shall be responsible for design, supply, installation, commissioning, operation, maintenance, and finance of all requisite technology, equipment, hardware, software, systems, and manpower necessary for implementation of the Smart Parking Management System, including billing, ticketing, monitoring, and enforcement functions, in accordance with the Scope of Work specified in this RFP. The Corporation shall enter into a Revenue Share Agreement with the successful Bidder for a period of five (5) years.

Bengaluru South City Corporation intends to procure these services from reputed service providers with relevant experience in smart parking system, technology deployed vehicle parking fee collection for government entities or government undertakings. The assignment will be awarded to a qualified contracting firm through the KPPP platform. Tender documents can be downloaded from the Government of Karnataka's KPP portal: https://kppp.karnataka.gov.in.

The Bidder shall pay the EMD amount as specified in the tender notification along with the technical bid. The EMD shall be paid through the KPP Portal. The EMD of successful bidders will be refunded upon successful and satisfactory completion of the tender period. No interest shall be paid on the EMD amount deposited.

More details on the Services are provided in the attached Terms of Reference.

1. The RFP can be downloaded by all the eligible firms.
2. Proposals for selection of the Service Provider are accepted from **Single Entities or Joint Ventures (JV),** subject to a **maximum of three members** in the JV.
3. The Service Provider will be selected under the Quality-cum-Cost Based Selection (QCBS) method, as set forth in this RFP.
4. The RFP includes the following documents:
    - Section 1 - Letter of Invitation
    - Section 2 - Information to Service Providers
    - Section 3 - Technical Proposal - Standard Forms
    - Section 4 - Financial Proposal - Standard Forms
    - Section 5 - Terms of Reference
    - Section 6 - Standard Form of Contract

SECTION 2. INFORMATION TO SERVICE PROVIDERS

1. INTRODUCTION

1.1 Traffic Engineering and Mobility Cell, Bengaluru South City Corporation in the "Data Sheet" will select a Service Provider among those listed in the Letter of Invitation, in accordance with the method of selection indicated in the Data Sheet.

1.2 The Service Providers are invited to submit a Technical Proposal and a Financial Proposal, as specified in the Data Sheet (the Proposal) for consulting services required for the Assignment named in the Data Sheet. The Proposal will be the basis for contract negotiations and ultimately for a signed contract with the selected Service Provider.

1.3 Service Providers can apply as **Single Entities or Joint Ventures (JV),** subject to a **maximum of three members** in the JV. The JV may comprise Indian and/or foreign entities, subject to compliance with applicable laws and regulations of the Government of India.

1.4 Service Providers submitting proposals as a JV shall submit a legally binding JV Agreement clearly defining the roles, responsibilities, and scope of work of each JV member. The JV shall designate a JV Lead, which must be an Indian registered company, who shall act as the technology lead, be responsible for submission of the bid, and serve as the single point of contact for all communications during the bid process and contract period. However, all the members of the Joint Venture shall be jointly and severally liable to the Client for the fulfillment of the provisions of the Contract.

1.5 All members of the Joint Venture shall be jointly and severally liable to BSCC for the performance of the Contract and fulfillment of all obligations thereunder. No JV member shall withdraw or alter its role during the contract period without prior written approval of BSCC.

1.6 The Service Providers must familiarize themselves with local conditions and take them into account in preparing their Proposals. To obtain first-hand information on the Assignment and on the local conditions, Service Providers are encouraged to pay a visit to the Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, before submitting a Proposal, and to attend a pre-proposal conference if one is specified in the Data Sheet.

1.7 The Service Providers note that (i) the costs of preparing the proposal and of negotiating the contract, including a visit to the Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, are not reimbursable as a direct cost of the Assignment; and (ii) the Traffic Engineering and Mobility Cell, Bengaluru South City Corporation is not bound to accept any of the Proposals submitted.

1.8 Bengaluru South City Corporation expects Service Providers to provide professional, objective and at all times hold the Bengaluru South City Corporation interests without any consideration for future work and strictly avoid conflicts with other assignments or their own corporate interests. Service Providers shall

not be hired for any assignment that would be in conflict with their prior or current obligations, or that may place them in a position of not being able to carry out the assignment in the best interest of the Bengaluru South City Corporation.

1.8.1 Without limitation on the generality of this rule, Service Providers shall not be hired under the circumstances set forth below:

a) A firm which has been engaged by the Bengaluru South City Corporation to provide goods/works/services for a project, and any of their affiliates, shall be disqualified from providing consulting services for the same project. Conversely, firms hired to provide consulting services for the preparation or implementation of a project, and any of their affiliates, shall be disqualified from subsequently providing goods or works or services related to the initial assignment (other than a continuation of the firm's earlier consulting services) for the same project.

b) Service Providers or any of their affiliates shall not be hired for any assignment which, by its nature, may be in conflict with another assignment of the Service Providers.

1.9 It is Bengaluru South City Corporation's policy to require that Service Providers observe the highest standard of ethics during the execution of such contracts. In pursuance of this policy, the Bengaluru South City Corporation:

(a) Defines, for the purposes of this provision, the terms set forth below as follows:

(i) "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution; and

(ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of GOK and includes collusive practices among Service Providers (prior to or after submission of proposals) designed to establish prices at artificial, noncompetitive levels and to deprive GOK of the benefits of free and open competition.

(b) will reject a proposal for award if it determines that the firm recommended for award has engaged in corrupt or fraudulent activities in competing for the contract in question.

(d) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded GOK-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK-financed contract; and

(e) will have the right to require that GOK / Bengaluru South City Corporation to inspect Service Provider's accounts and records relating to the performance of the contract and to have them audited by auditors

appointed by GOK / Bengaluru South City Corporation.

1.10 Service Providers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by GOI / GOK / Bengaluru South City Corporation / or in any of the Corporation in accordance with the above sub para 1.9 (d).

1.11 Service Providers shall be aware of the provisions on fraud and corruption stated in the standard contract under the clauses indicated in the Data Sheet.

1.12 An Agent is a person employed to do any act for another, or to represent another in dealings with a third person.

1.13 The tenderer is required to submit/upload a certificate confirming that they have read and understood the above clauses, in the format prescribed in Appendix F (Section 6).

2. CLARIFICATION AND AMENDMENT OF RFP DOCUMENTS

2.1 Service Providers may request clarification on any item in the RFP document up to the number of days specified in the Data Sheet prior to the Proposal submission deadline. Any such request must be submitted in writing by paper or electronic mail to the Bengaluru South City Corporation address indicated in the Data Sheet. Bengaluru South City Corporation will respond to these requests via electronic mail, in person or through KPP Portal and will circulate copies of the response (including a clarification of the query, without disclosing the source of the inquiry) to all invited Service Providers intending to submit proposals.

2.2 At any time prior to the submission of Proposals, Bengaluru South City Corporation may, for any reason either at its own initiative or in response to a clarification requested by an invited firm modify the RFP documents through an amendment. Any such amendment shall be issued in writing via addenda. These addenda will be published online or sent by electronic mail to all invited Service Providers and shall be binding on them. Bengaluru South City Corporation may, at its discretion, extend the deadline for the submission of Proposals.

2.3 A Pre-Bid Meeting will be held to clarify issues and respond to any questions raised with respect to RFP, as submitted in the "Pre-Bid Queries" format provided in Appendix B (Section 6) of this document.

3. SCOPE OF WORK

The Service Provider Shall Implement, Operate and Maintain On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode. (Appendix G and H)

3.1 **Operational Hours:** The Licensee shall operate the on-street pay-and-park facility for fifteen (15) hours, from 9.00 AM-12.00 PM on all days including Saturdays, Sundays, and public holidays.

3.2 **Tariff Compliance:** Parking charges shall be levied strictly in accordance with the rates prescribed by Bengaluru South City Corporation under this agreement. The Licensee is prohibited from collecting any additional amounts, including taxes or surcharges, beyond the officially notified tariff in Appendix E (Section 6)

3.3 **Designated Parking Areas:** The Service Provider shall demarcate the on-street parking bays at site in accordance with the street-wise parking allocation plan provided by BSCC in Appendix G. The plan shall guide the Service Provider on the spatial distribution and allocation of ECS for various categories, including cars, two-wheelers, autos, pick-up and drop-off zones, cycles, loading /unloading areas, etc. In addition, the Service Provider shall demarcate designated parking spaces for Persons with Disabilities (PWD) and dedicated parking areas for women, as per the plans provided by BSCC.

3.4 **Penalty Schedule:** In the event of non-compliance with the Scope of Work or any other conditions stipulated in this RFP, penalties shall be imposed in accordance with the penalty schedule provided in Penalty Schedule (H), Section 6.

3.5 The field infrastructure, including signage, physical assets, personnel and their SOPs should be seamlessly integrated to deliver the following step-by-step journey for the user:

(a) **Step 1**: Users check parking availability on the parking information interface through App based/Web based or Variable Message Signboards (VMS) installed at major intersections and identified streets.

(b) **Step 2**: Based on real-time information displayed in the parking information system, the user identifies the availability of parking spaces before entering the road.

(c) **Step 3**: User checks hourly parking rates displayed on boards installed every 150 meters.

(d) **Step 4**: Users may select the required parking duration and if necessary, renew or extend the duration through the prescribed system.

(e) **Step 5**: The Licensee shall issue physical tickets or digital receipts/tickets to the users for all parking transactions, including payments made through QR scan/digital payment methodology. The system captures and logs: serial number, parking slot number, street name, ward, name of authorized Licensee, date, vehicle number, vehicle type, time of entry, mode of payment, amount of payment, ticket data is synced in real time with the central system.

(f) **Step 6**: If the user overstays the initial ticket duration, the system detects the overtime. A grace period of 10 minutes shall be provided to the user; however, this grace period is a transitional measure and shall be applicable only during the initial phase of implementation until users become familiar with the system. Beyond the grace period, the system alerts the warden, who shall paste an overtime sticker on the vehicle, and a new ticket shall be issued for the extended duration.

(g) **Step 7**: Upon vehicle exit, the camera-based smart parking system shall automatically detect the vacancy of the parking slot and update the parking availability status in real time across the central system, mobile application/web platform, and Variable Message Signboards (VMS).

(h) **Step 8**: All parking activity data (occupancy, payments, and violations) is continuously pushed to the centralized digital system for monitoring, reporting, and audit.

3.6 **Site Setup and Maintenance Responsibilities:** The Licensee shall be responsible for setting up and maintaining the parking area at its own cost. This includes the provision of smart handheld devices, electrical connections, parking information systems and other infrastructure necessary for smooth operations. All parking bays shall be marked using Thermoplastic Paint, in accordance with the approved site plan. These requirements must be fulfilled prior to site possession. The Licensee shall be solely responsible for maintaining the visibility, legibility, and condition of all parking bay markings throughout the Contract Period. The Licensee shall, at his own cost, undertake repainting and restoration of markings as and when required, including but not limited to cases of wear and tear, fading, damage, or as directed by the Authority/Engineer-in-Charge, to ensure continuous compliance with the approved specifications and safety standards.

3.7 **Issuance of Parking Tickets:** The Licensee shall issue parking tickets exclusively through Handheld Pay & Park Electronic Devices and/or electronic digital receipts via QR scan/digital payment methodology. Each ticket must include a serial number, street name, ward, and name of the authorized Licensee,

date, vehicle number, vehicle type, mode and amount of payment, time of entry. A ticket at the time of exit should also be issued if the car has been parked for a greater number of hours than the ticket was taken for initially. A Bengaluru South City Corporation logo must be printed on the ticket. These devices must automatically calculate the payable parking amount, and the cost of such devices shall be borne by the Licensee.

3.8 **Buffer Stock of Handheld Devices:** The Licensee shall maintain a buffer stock equivalent to at least 25% of the total number of handheld devices required for uninterrupted operation on any designated stretch, to ensure service continuity in case of device malfunction. **Manual ticketing is strictly prohibited, and any violation will attract penalties as specified in Penalty Schedule (H), Section 6.**

3.9 **Data retention and transmission**: All transactional data generated through the handheld devices shall be made available to Bengaluru South City Corporation in real time for their perusal. Additionally, a consolidated monthly report detailing pictures of the site, occupancy, revenue collections and transaction summaries shall be submitted to the Bengaluru South City Corporation Head Office.

3.10 **Ticket Format and Information Placement:** Payment slips issued to vehicle owners shall clearly mention the applicable parking charges. The schedule of rates must be printed in the center of the ticket to prevent mutilation or omission.

3.11 **Digital Payment System:** Provide bar coded ticketing and billing system for parking spaces and provide personnel to run operations.

a) The service provider shall provide cashless transactions options through digital payment solutions with convenient access to payment options such as UPI, credit card, debit card, net banking and other approved digital modes.
b) A smartphone-scannable QR code shall direct users to a secure payment page for parking, where the users enter the vehicle number, zone or space number, and parking duration details to complete the payment.
c) The service provider shall install QR signboards for payment as per an approved signage plan based on parking capacity, visibility, and site feasibility.
d) QR Signboards may be installed using suitable mounting methods, including poles, walls, bollards, or other approved structures. Replacement or repair for damages, wear & tear of the boards must be completed within 72 hours.
e) For pass users, digitally verifiable passes and/or barcoded stickers shall be issued for identification and validation of such vehicles.

3.12 Enforcement Mechanism: The Licensee shall ensure strict enforcement against all parking violations, including but not limited to overstaying the permitted or paid parking duration, parking in no-parking zones, double parking, parking on footpaths, unauthorized use of unmarked areas, improper parking within marked bays, and misuse of designated permit-only or Persons with Disabilities (PWD) parking spaces.

a) A camera based AI system shall be implemented to enable automatic enforcement alerts for all aforementioned parking violations.
b) Existing cameras deployed for parking availability may also be utilised for the automatic enforcement solution, where technically feasible.
c) The system shall be capable of generating automatic alerts for enforcement to parking marshals through push notifications. Alerts shall include key details such as the vehicle type (two-wheeler or four-wheeler) and the location of the violation.
d) The Licensee shall facilitate clamping and towing of vehicles wherever required with the authorisation of Traffic Police and Corporation.
e) The Licensee shall issue a QR-coded ticket for digital payment of the penalty.
f) The Licensee shall provide towing vehicles to tow away vehicles under parking violations.
g) The service provider shall maintain a record of all reported violations in a centralised dashboard for monitoring and reporting purposes, including violation details such as vehicle type, vehicle number, location, time of violation, and supporting evidence.

3.13 Non-Preferential Access: Parking shall be allotted strictly on a "First Come, First Served" basis. The Licensee shall not provide preferential treatment to any person or entity.

3.14 Prohibition of Manual Slips: Manual parking slips are strictly prohibited and only e-tickets in the format as outlined in the RFP should be issued via electronic handheld machines. Detection of manual slip issuance shall attract heavy penalties as outlined in the agreement and may result in contract termination.

3.15 Illuminated Signage Boards: Illuminated signage boards (size 3 ft x 2 ft) must be installed by the Licensee at intervals of every 150 meters or as feasible such that it is visible to the parking persons along designated PAY & PARK stretches and should get permission and NOC From BESCOM/KEB Department. The boards shall display the following in a clearly legible manner:

a) Pay-and-park availability
b) Approved tariff rates
c) Sample of the E-ticket that is issued via handheld machines and,
d) Bengaluru South City Corporation logo
e) Name, phone number and address of the Vendor

3.16 Real-time parking availability system: The Licensee shall install and provide a real-time, camera-based parking availability and monitoring system across designated street parking spaces, no-parking zones, and other relevant stretches to ensure effective monitoring and enforcement.

a) The Licensee shall invest and install cameras, related accessories, and network and power accessories to operationalise the real-time availability solution.
b) The system shall achieve a minimum of 95% detection accuracy for availability, measured monthly under normal service conditions.
c) The system's overall uptime in a calendar year should be at least 90%, excluding approved, scheduled maintenance activities or Force majeure events.
d) The solution should provide real-time availability data via an API to easily integrate with existing or new web and phone applications hosted by the Corporation.
e) Maintenance and replacement of failed hardware and software installed by the service provider shall be the responsibility of the service provider.
f) The cameras used should be outdoor-rated IP cameras with a resolution of 3 MP or higher, with IR for night vision.
g) The technical specifications of related accessories shall be determined by the service provider based on performance requirements and site conditions, subject to approval of the Corporation where required.
h) The camera feed of all installed cameras shall be made available for security and surveillance purposes, as required by the Corporation or other authorised agencies, and a backup of all CCTV footage shall be retained for a minimum period of six months.
i) Image and data processing for the system may be carried out using cloud-based or on-premise infrastructure, as appropriate, to meet or exceed the specified performance requirements.

3.17 Parking Information System: The Licensee shall install, operate, and maintain digital parking information signage, through app based/web based and Variable Message Sign (VMS) boards, at major intersections and identified streets. The VMS boards shall be integrated with the central parking management system to ensure accuracy, reliability, and real-time data updates. The signage shall display real-time parking-related information in a clear, legible, and continuously updated manner, including but not limited to:

a) Name of the street
b) Total number of designated parking spaces
c) Number of available parking spaces, displayed separately for each vehicle category
d) Applicable parking tariffs and parking violation fee

e) Operational hours of the parking facility
f) Regulatory or advisory messages related to parking restrictions, enforcement, or special conditions

3.18 Liability for Vehicle Safety and Damages: The contracting agency shall be responsible for any loss, theft, damage, or incident involving vehicles parked within the designated parking areas, if arising due to negligence in parking management activities. Bengaluru South City Corporation shall not be held liable in any manner for such incidents.

3.19 Integration with Bengaluru South City Corporation centralized system/ digital platforms in future: In the event Bengaluru South City Corporation develops or deploys a centralized command center or digital platforms in the future, the Licensee shall ensure that all internet based handheld devices and parking information system used for parking operations are integrated with such a system or platform, as and when directed by Bengaluru South City Corporation.

3.20 Deployment of Parking Personnel: The Licensee shall, at its own cost, deploy adequate parking personnel per shift to cater to the citizen traffic at each pay-and-park location. All personnel must be equipped with valid identity cards and wear prescribed uniforms.

3.21 Technology and Proof of Concept: BSCC has identified camera-based technology deployment for smart parking management system. However, if the service provider has competing and other smart technology deployment that can be included in the technical proposal, BSCC expects a proof of concept of the proposal.

3.22 Revenue Share: BSCC shall adopt a Revenue Share Model with the successful Bidder for a period of five (5) years. The Service Provider shall bear all capital expenditure (CAPEX) and operational expenditure (OPEX) from its respective share of revenue. All parking fees and fines generated from parking operations under this RFP shall be deposited into a designated escrow account jointly opened and operated by the Service Provider and BSCC. Disbursement from the escrow account shall be made strictly in accordance with the Contract provisions. The respective revenue shares of the Service Provider and BSCC shall be transferred to their designated bank accounts. The revenue share disbursement shall be effected on or before the 10th day of each month.

3.23 Restriction on Subletting: Subletting of the parking site, whether in full or in part is **strictly prohibited**. The Licensee must manage operations directly through its own employees. Any detection of subletting shall render the license and contract liable for cancellation or termination, subject to prior approval from the competent authority.

3.24 **Liability and Site Due Diligence:** The Licensee shall be solely responsible for any claims by vehicle owners arising from loss or damage to their vehicles. Bengaluru South City Corporation shall be fully indemnified against any such claims. Bidders are advised to conduct an independent survey of the site and review existing operations before submitting their bids. No claims citing lack of understanding shall be entertained, as the process is conducted transparently, and all information is in the public domain.

3.25 **Revision of Parking Tariff and Revenue Share Adjustment:** Notwithstanding anything contained herein, Bengaluru South City Corporation reserves the right to revise the parking tariffs at any time during the contract period. In the event of such a revision, the revenue share payable by the Licensee shall be adjusted proportionately in line with the percentage increase in the approved parking rates.

3.26 **Integration with EV Charging Infrastructure:** In the event that BSCC implements electric vehicle (EV) charging stations integrated with on-street parking facilities in the future, the Service Provider shall coordinate, integrate, and collaborate with the designated EV charging service provider. The Service Provider shall also enter into necessary service-level arrangements /agreements with the EV charging operator to ensure seamless operation, user convenience, and system integration.

3.27 The contracting agency must ensure that no illegal or objectionable parking management activities are permitted. This includes implementing scientific methods to regulate the entry and exit of vehicles. If any such activity or lapse occurs during the contract period, the contracting agency shall bear full responsibility. Bengaluru South City Corporation will not be held liable in any legal proceedings.

4. PREPARATION OF PROPOSAL

4.1 Service Providers are requested to submit a Proposal written in the language(s) specified in the Data Sheet.

Technical Proposal

4.2 In preparing the Technical Proposal, Service Providers are expected to examine the documents comprising this RFP in detail. Material deficiencies in providing the information requested may result in rejection of a Proposal.

4.3 While preparing the Technical Proposal, Service Providers must give particular attention to the following. Only Service Providers with the following minimum experience within the last five years will be considered for evaluation of the Technical Proposal.

4.3.1 The Service Provider, or in case of a Joint Venture (JV), each member of the JV shall possess a valid Company/Firm Registration Certificate issued by the competent authority in India or in the country of incorporation, as applicable.

4.3.2 In case of a Joint Venture (JV), the Lead Member (which shall be an Indian company) shall act as the Technology Service Provider and shall possess valid statutory registrations under applicable Indian laws.

4.3.3 The manpower outsourcing agency engaged for execution of the Project shall possess valid statutory registrations under Indian law, including registration with the Labour Department, Employees' State Insurance (ESI), and Provident Fund (PF), as applicable. All statutory compliances required for execution of the Project in India shall be the responsibility of the Lead Member.

4.3.4 The service provider, either individually or cumulatively through Joint Venture partners, shall have successfully completed or be currently executing projects of a similar nature involving smart parking management systems that include real-time parking availability and digital payment solutions, covering a minimum of 1000 ECS within the last five (5) years. As proof, a certificate/work order duly signed by a Competent Authority of a rank not below Executive Engineer. For any ongoing parking management projects undertaken by the service provider or JV members, at least completion of 6 months of successful operations will be considered for the eligibility criteria.

4.3.5 The service provider, either individually or cumulatively through joint venture partners, shall have successfully completed or be currently executing projects that involve on-street enforcement activities using enforcement software. Proof of such activity accompanied by a work order of the on-street parking management work where enforcement activity was/has been carried out. For any ongoing on-street parking management projects undertaken by the service provider or JV members, at least completion of 6 months of successful operations will be considered for the eligibility criteria.

4.3.6 The service provider and all members of JV must have a positive net worth as of this last financial year, 31st March 2026. A positive net-worth certificate from a certified auditor.

4.3.7 The Service Provider, or cumulatively with JV members, must have achieved a minimum financial turnover of (approximately two times the Capex and one year Opex) **INR 1,745 lakhs** in at least two financial years in the last five financial years (weightage of 10% will be given to each year to bring it to the present financial year). The Bidder shall enclose with its Proposal, certificate(s) with UDIN number, from its Statutory Auditors stating its total turnover during each of the 3 (Three) financial years ending on 31st March 2025/ or March 2026 (whichever is available)

4.3.8 The Service Provider must, as an individual entity or as Lead member of the JV, demonstrate liquid assets and/or access to credit facilities of not less than (30% of Capex and one-year Opex) **INR 260 lakhs,** supported by appropriate documentation. Credit lines, letters of credit, or certificates from banks

4.4 The Technical Proposal should provide the following information using the attached Standard Forms (Section 3):

4.4.1 A brief description of the Service Provider's organization and an outline of recent experience on assignments (Section 3B) of a similar nature. For each assignment, the outline should indicate, inter alia, the profiles and names of the staff provided, duration of the assignment, contract amount, and firm's involvement.

4.4.2 A detailed description of the proposed technical approach, methodology, technology/system architecture, SOP for collecting parking fees, real-time parking information system and data security/cyber security for the implementation and management of on-street parking management. (Section 3C).

4.4.3 The Service Provider shall make a detailed presentation before the Evaluation Committee. In the event the Service Provider proposes a technology solution deviating from the camera-based technology deployment identified by BSCC, the Service Provider shall also conduct a live Pilot Demonstration (Proof of Concept) of the proposed system for the purpose of technical evaluation and validation of system performance.

4.4.4 The list of the proposed staff team by their role, the tasks that would be assigned to each staff team member, and their timing (Section 3D). Reports to be issued by the Service Providers as part of this assignment must be in both English and Kannada. It is desirable that the firm's personnel have a working knowledge of the Client's official language.

4.4.5 Any comments or suggestions on the Terms of Reference and on the data, a list of services, and facilities to be provided by the Client (Section 3E).

4.4.6 Financial turnover for the past five years to assess the bidder's financial capacity and determine compliance with the minimum technical requirements (Section 3F).

4.4.7 Any additional information requested in the Data Sheet and signed forms as part of the appendix (Section 6).

4.5 The Technical Proposal shall not include any financial information.

Financial Proposal

4.6 While preparing the Financial Proposal, Service Providers are expected to take into account the requirements and conditions outlined in the RFP documents. The Financial Proposal should follow the Standard Forms (Section 4) and must incorporate the costs and comply with the requirements specified in Section 4A.

4.7 Service Providers shall express the price of their services in Indian Rupees and in the format as mentioned in Section 4B.

4.8 The Data Sheet indicates how long the proposals must remain valid after the submission date (180 days from the date of submission). During this period, the Service Provider is expected to keep available the key professional staff proposed for the assignment. The Client will make its best effort to complete negotiations within this period. If the Client wishes to extend the validity period of the proposals, the Service Providers who do not agree have the right not to extend the validity of their proposals.

5. SUBMISSION, RECEIPT, AND OPENING OF PROPOSALS

5.1 Interested bidders shall login to https://kppp.karnataka.gov.in and follow the procedures and guideline given there or call the KPPP help desk to get themselves registered in the portal. Upon registration, the bidders can login and participate in the tender.

5.2 Downloading of tender documents, submission of proposal all will be through the Government of Karnataka KPP website https://kppp.karnataka.gov.in under login for Service Providers. Service Providers must get themselves registered, acquainted and trained on the procedure of participating in the KPP portal.

5.3 **EMD:** The Tenderer shall furnish, as part of the tender, Earnest Money Deposit (EMD) as specified in the tender notification. The EMD shall be liable for forfeiture in the following cases:

5.3.1 If the Tenderer withdraws the Tender after opening of the Tender during the period of Tender validity;

5.3.2 If the Tenderer does not accept the correction of the Tendered Price in accordance with the relevant clauses of the Tender document; or

5.3.3 In the case of a successful Tenderer, if the Tenderer fails within the specified time limit to:

1. Sign the Agreement; or
2. Furnish the required Performance Security.

5.4 The original Proposal shall be prepared as per RFP document.

5.5 An authorized representative of the Service Provider initials all pages of the Proposal along with seal. The representative's authorization is confirmed by a written power of attorney accompanying the Proposal.

5.6 The Bidder shall submit the bids separately i.e., "Technical" and "Financial" electronically online in e-portal.

5.7 Tenderer has all the time to modify and correct or upload any relevant document in the portal before submission on e-portal.

5.8 The last date and time including hours, minutes and seconds for submission will be mentioned in the e-portal, the bid will disappear automatically immediately after the time of submission is elapsed.

5.9 After the deadline for submission of proposals, the Technical Proposal shall be opened by the evaluation committee and evaluation will be done. The bidders who are technically qualified will be intimated and the Financial Proposal of only qualified bidders will be opened in presence of the bidders who choose to attend.

6. PROPOSAL EVALUATION

General

6.1 From the time the proposals are opened to the time the contract is awarded, if any Service Provider wishes to contact the Bengaluru South City Corporation on any matter related to its proposal, it should do so in writing at the address indicated in the Data Sheet. Any effort by the firm to influence the Bengaluru South City Corporation in the proposal evaluation, proposal comparison or

contract award decisions may result in the rejection of the Service Provider's proposal.

6.2 Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation, including its approval by competent authority is obtained.

Evaluation of Technical Proposals

6.3 The evaluation committee appointed by the Bengaluru South City Corporation, both as a whole and through its individual members, evaluates the proposals based on their compliance with the conditions specified in Section 4.3 (Preparation of Proposal). A proposal shall be rejected at this stage if it does not adequately address key aspects of the Terms of Reference or fails to meet the minimum technical criteria outlined in Section 4.3.

Note: The Technical bids of only the firms satisfying the above criteria will be considered for evaluation.

Public Opening and Evaluation of Financial Proposals; Ranking

6.4 After the Evaluation of all the Technical Proposals are completed, the Employer shall display in the KPPP Website the Name of those Service Providers whose Proposals did not meet the minimum Qualifying criteria or were considered Non-Responsive to the RFP and Terms of Reference, indicating that their Financial Proposals shall not be opened. The Employer shall simultaneously display in the KPPP Website the Names of the Service Providers that have secured the minimum Qualifying Mark.

6.5 The Financial Proposals shall be opened publicly in the presence of the Service Providers' representatives who choose to attend. The name of the Service Provider, the quality scores, and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened. The Client shall prepare minutes of the public opening.

6.6 The evaluation committee will determine whether the Financial Proposals are complete, (i.e., whether they have costed all items of the corresponding Technical Proposals, if not, the Client will cost them and add their cost to the initial price), correct any computational errors.

6.7 The Bengaluru South City Corporation will select the service provider based on the technical score and the proposed revenue share to BSCC.

7. NEGOTIATIONS

7.1 Negotiations will be held at the address indicated in the Data Sheet. The aim is to reach agreement on all points and sign a contract.

7.2 Unless there are exceptional reasons, the financial negotiations will involve neither the remuneration rates for staff (no breakdown of fees) nor other proposed unit rates.

7.3 Having selected the Service Provider on the basis of, among other things, an evaluation of proposed key professional staff, the Bengaluru South City Corporation expects to negotiate a contract on the basis of the experts named in the Proposal. Before contract negotiations, the Bengaluru South City Corporation will require assurances that the experts will be actually available. The Bengaluru South City Corporation will not consider substitutions during contract negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or that such changes are critical to meet the objectives of the assignment. If this is not the case and if it is established that key staff was offered in the proposal without confirming their availability, the Service Provider may be disqualified.

8. AWARD OF CONTRACT

8.1 The contract will be awarded following negotiations. After negotiations are completed, the Bengaluru South City Corporation will promptly notify unsuccessful Service Providers who did not pass the technical evaluation (para 4.3)

8.2 The Service Provider is expected to commence the Assignment on the date and at the location specified in the Data Sheet.

9. CONFIDENTIALITY

9.1 Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the Service Providers who submitted the proposals or to other persons not officially concerned with the process, until the winning Service Provider has been notified that it has been awarded the contract.

9.2 Within 15 days from the date of receipt of the Letter of Acceptance, the Successful Bidder shall furnish a **Security Deposit (refundable without interest) equivalent to 5% of the annual revenue share quoted by the Bidder,** in the form of Banker's Cheque, Demand Draft, Bank Guarantee, FDR (Appendix C), or Pay Order drawn in favour of the Commissioner, Bengaluru South City

Corporation, payable at Bengaluru. The Concession Fee quoted shall remain fixed for the entire contract period of five (5) years.

9.3 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

9.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 9.1 shall constitute sufficient grounds for cancellation of the award and suitable action as per EMD declaration and in accordance with law.

DATA SHEET - Information to Service Providers

1.1 **The name of the Client is:** Commissioner, Bengaluru South City Corporation, 2nd Floor, 9th Main Road, Jayanagara East, 2nd Block, Bengaluru - 560011, represented by Executive Engineer, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation.

Address of the Client is: Executive Engineer, Zone-1 & 2, Traffic Engineering and Mobility Cell, 2nd Floor, 9th Main Road, Jayanagara East, 2nd Block, Bengaluru – 560011.

The Proposal shall be evaluated under the Quality-cum-Cost Based Selection (QCBS) method with a weightage of 60% for the Technical Proposal and 40% for the Financial Proposal.

1.2 **A Technical and a Financial Proposal are requested**: Yes

The name, objectives and description of the Assignment are:

Name: Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots).

Objective: To implement, operate, and manage the on-street parking management system on designated roads in HSR Layout, including collection of parking fees, in accordance with the framework approved by the Bengaluru South City Corporation.

1.3 **The Bengaluru South City Corporation will provide the following inputs:**

- Approved parking layout plans
- Approved tariff structure and operational hours
- Necessary approvals for on-street activities
- Compliance Summary for Infrastructure and Equipment (Form 4A)

1.4 The clauses on fraud and corruption in the contract are Sub-Clause 2.7.1 of General Condition of Contract (GCC).

1.5 Clarifications may be requested up to the last date for submission of queries. The address for requesting clarifications is: Executive Engineer, Zone 1 & 2, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, Bengaluru.

1.6 Proposals should be submitted in the following language(s): **English**

a) Shortlisted Service Providers are not allowed to associate with other shortlisted Service Providers for this assignment.
b) There is no minimum requirement for ticket issuer staff-months. However, the Service Provider must deploy adequate staff as needed to ensure proper supervision and management across all shifts.
c) The proposed ticket issuers must have a minimum of one year of experience in similar roles. This includes interacting with customers, answering queries about pricing and availability, and issuing tickets.
d) All reports required as part of this assignment must be written in English.

1.7 Training is an important feature in this Assignment: No Additional information in the Technical Proposal includes:

- Proof of Financial Turnover
- Work Orders & Completion Certificates
- Team & roles

1.8 Proposals must remain valid for **180** days from the last date of submission.

1.9 **Evaluation Criteria and Marking Scheme:**

The Proposals shall be evaluated under the Quality-cum-Cost Based Selection (QCBS) method, with a weightage of 60% for the Technical Proposal and 40% for the Financial Proposal.

Sl. No.	Component	Weightage
1	Technical Proposal	60%
2	Financial Proposal	40%
	Total	**100%**

1.9.1 Technical Proposal Evaluation

The Technical Proposal shall be evaluated out of **100 Marks** as follows:

Sl. No.	Evaluation Criteria	Reference Clause	Maximum Marks
1	Experience and Organizational Capacity – Relevant experience in Smart Parking / ITS / On-Street Parking Management projects, project scale, performance record	4.4.1	20
2	Technical Approach, Methodology & System Architecture – Understanding of ToR, detailed methodology, SOP for revenue collection, digital enforcement mechanism, proposed technology architecture (ANPR, POS, dashboard, app, VMS integration, data security, scalability)	4.4.2	30
3	Live Demonstration of Existing City Implementation – Demonstration of an existing smart parking implementation in another city, covering smart technology integration, digital fee collection, parking availability system, dashboard, reporting, and enforcement workflow	4.4.3	20
4	Proposed Team & Deployment Plan – Qualification and experience of key personnel, manpower structure, on-ground operations capability	4.4.4	15
5	Financial Capacity & Compliance - Turnover, financial stability, statutory compliance, completeness of submission	4.4.6	15
Total Marks			**100**

Only those Bidders securing a minimum of 75 Marks out of 100 in the Technical Evaluation shall qualify for opening of the Financial Proposal. For the purpose of QCBS evaluation, the Raw Technical Score obtained by the Bidder shall be converted into a **Weighted Technical Score (WTS)** as follows:

WTS = (TS / 100) × 60

Where:
WTS = Weighted Technical Score
TS = Raw Technical Score obtained by the Bidder out of 100

1.9.2 Financial Proposal Evaluation

The Financial Proposal of only those Bidders who qualify in the Technical Evaluation shall be opened and evaluated. The Financial Proposal shall be assessed on the basis of the **Revenue Share offered to BSCC**. The Financial Score (**FS**) shall carry a maximum of **40 marks** and shall be awarded on the following slab basis:

Sl. No.	Revenue Share Offered to BSCC	Financial Marks (FS)
1	Less than 10%	5
2	10% and less than 20%	10
3	20% and less than 30%	18
4	30% and less than 40%	30
5	40% and less than 50%	36
6	50% and above	40

CS = WTS + FS

For the purpose of final ranking, the Composite Score (**CS**) shall be calculated as follows:

Where:
CS = Composite Score
WTS = Weighted Technical Score out of 60
FS = Financial Score out of 40

The Bidder obtaining the **highest Composite Score** shall be ranked first and considered for award of the Contract.

In the event of a tie in Composite Score, the Bidder securing the **higher Raw Technical Score** shall be ranked higher. In the event of a further tie, the Bidder offering the **higher Revenue Share to BSCC** shall be ranked higher.

1.10 Service Providers must submit the proposal through KPPP website

1.11 Proposals must be submitted within the date and time stipulated in https://kppp.karnataka.gov.in

1.12 The address to send information to the Bengaluru South City Corporation is: Executive Engineer - Zone 1 & 2, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, 2nd Floor, 9th Main Road, Jayanagara East, 2nd Block, Bengaluru - 560011

SECTION 3. TECHNICAL PROPOSAL - STANDARD FORMS

3A. Technical Proposal submission form.

3B. Service Provider's references.

3C. Detailed description of the proposed technical approach, methodology, technology/system architecture, SOP for collecting parking fees, real-time parking information system and data security/cyber security for the implementation and management of on-street parking management.

3D. Team composition and roles.

3E. Comments and Suggestions of Consultants on the Terms of Reference and on Data, Services, and Facilities to be Provided by the Employer.

3F. Financial Capacity of the Bidder.

3A. TECHNICAL PROPOSAL SUBMISSION FORM

[Location, Date]

From:
[Name and Address of Firm]

To:
Office of the Executive Engineer
Zone-1 & 2, Traffic Engineering and
Mobility Cell, BSCC
2nd Floor, 9th Main Road, Jayanagara East,
2nd Block, Bengaluru - 560 011

Sir,

Subject: Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)

We, the undersigned, offer to provide the services for the above in accordance with your Request for Proposal dated _____, and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal submitted under the KPPP website.

If negotiations are held during the period of validity of the Proposal, i.e., before *[Date]*_____ we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from contract negotiations.

We understand you are not bound to accept any Proposal you receive. We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

3B. SERVICE PROVIDER'S REFERENCES

Relevant Services carried out in the last Five Years that best illustrate qualifications

Using the format below, provide information on each reference assignment for which your firm/entity, either individually as a corporate entity or as one of the major companies within an association, was legally contracted.

Reference Service Number_____

Name of the client	
Location	
Smart Parking/Similar ITS Projects/On-street parking management Projects (Value of services per year)	INR
Start and end date of contract	
Number of staff deployed	
Description of the project and technology deployment	

Instructions:

1) The Bidder shall attach copies of the work orders / completion certificates as evidence for the above or a self-declaration by an authorized person from the service provider.

3C. DETAILED DESCRIPTION OF THE PROPOSED TECHNICAL APPROACH, METHODOLOGY, TECHNOLOGY/SYSTEM ARCHITECTURE, SOP FOR COLLECTING PARKING FEES, REAL-TIME PARKING INFORMATION SYSTEM AND DATA SECURITY/CYBER SECURITY FOR THE IMPLEMENTATION AND MANAGEMENT OF ON-STREET PARKING MANAGEMENT.

.

Instructions: The Service Provider shall outline detailed description of the proposed technical approach, methodology, technology/system architecture, sop for collecting parking fees, real-time parking information system and data security/cyber security for the implementation and management of on-street parking management and the protocols and safeguards they will have in place to ensure compliance to the requirements of the RFP.

3D. TEAM COMPOSITION AND ROLES

Role 1:

Position:	
Number of people deployed:	
Task Description:	

Role 2:

Position:	
Number of people deployed:	
Task Description:	

Role 3:

Position:	
Number of people deployed:	
Task Description:	

Instructions:

1) The Service Provider shall outline the number of staff and the supervisory team that will be deployed and the roles for the same.
2) In case of Joint Venture (JV), the proposal shall clearly define roles, responsibilities and scope of work of each JV member.

3E. COMMENTS AND SUGGESTIONS OF CONSULTANTS ON THE TERMS OF REFERENCE AND ON DATA, SERVICES, AND FACILITIES TO BE PROVIDED BY THE EMPLOYER

On the Terms of Reference

1.

2.

3.

4.

5.

On the Data, Services and Facilities to be provided by the Employer

1.

2.

3.

4.

5.

Consultant's Name:

Consultant

Executive Engineer
Traffic Engineering & Mobility Cell
Bengaluru South City Corporation

3F. FINANCIAL CAPACITY OF THE BIDDER

	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**
	(1)	*(2)*	*(3)*	*(4)*	*(5)*
Turnover (INR)					

Instructions:

2) The Bidder shall attach copies of the audited balance sheets, financial statements and Annual Reports for 5 (five) years from FY 2020-21. The financial statements shall:

   i) reflect the financial situation of the Bidder and its Associates where the Bidder is relying on its Associate's financials;
   ii) be audited by a statutory auditor;
   iii) be complete, including all notes to the financial statements; and
   iv) correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

3) The Bidder shall also provide the name and address of the Bankers to the Bidder.

4) The Bidder shall provide an Auditor's Certificate specifying the turnover.

SECTION 4. FINANCIAL PROPOSAL - STANDARD FORMS

4A. Compliance Summary for Infrastructure and Equipment
4B. Financial proposal submission form

4A. Compliance Summary for Infrastructure and Equipment (To be submitted as part of financial bid only)

Component	Approximate Quantity	Unit
Surveillance CCTV Cameras with Video Analytics, including accessories and poles (Minimum Specs: Outdoor IP-based Box/Dome/Bullet cameras, minimum 3 MP resolution, lens focal lengths of 2.8 mm / 4 mm / 6 mm)	433	Nos.
Body Cameras (Minimum Specs: 64MP Image Resolution, 2.0 inch LCD display, 10m IR distance, 4G Connectivity, GPS & Wi-Fi enabled with Battery life up to 14* hours)	77	Nos.
Internet-enabled Smart POS machine (4G Connectivity)	77	Nos.
Walkie-Talkies (minimum communication range of 8-10 km)	77	Nos.
Uniforms for Wardens (2 pairs per each warden)	308	Nos.
Parking Boards with 1) Pay-and-park availability 2) Approved tariff rates & QR Codes 3) Sample of the E-ticket that is issued 4) Bengaluru South City Corporation logo 5) Name, address and contact of the vendor 6) Minimum 1 board every 150m on both sides of the road 7) 3x2 feet (size of the board)	242	Nos.
Road Markings (as per relevant IRC standards)	4,832	Sqm
Road Studs (3 per parking slot)	11,946	Nos.
Parking Signages (as per relevant IRC standards) **Minimum quantity to be provided based on the number of parking bays and designated no-parking zones*	130	Nos.
Installation and setup (poles, cabling, testing)	18.02	km
VMS Boards: 8) Outdoor LED boards with 4G connectivity 9) Minimum dimension as approved by BSCC 10) Installed at major intersections and identified locations as approved by BSCC, based on site requirement. **Minimum 10 Nos. of VMS Boards shall be provided. Additional boards, if required, shall be installed as directed by BSCC.*	10	Nos.

Consultant

Executive Engineer
Traffic Engineering & Mobility Cell
Bengaluru South City Corporation

Towing Vehicle	1	Nos.
Wheel Clamps	32	Nos.
E Bikes	3	Nos.
Software & Server (Integrated Parking Management Software, Web/Mobile App, Dashboard, and Server/Cloud Infrastructure)	1	LS
Power Supply & Electrical Infrastructure for Field Equipment (CCTV, VMS, POS, etc., including connections, cabling, protection systems, and metering)	1	LS
Connectivity (Data SIMs; 1 per handheld machine)	77	Nos.
Parking wardens / supervisors (minimum number of parking wardens to be deployed, considering operational hours and two shifts)	154	Nos.

We agree to ensure compliance to the above infrastructure and equipment requirements.

Yours sincerely,

Authorized Signature:
Name and Title of Signatory:
Name of the Service Provider:
Address:

4B. FINANCIAL PROPOSAL SUBMISSION FORM
(To be submitted as part of financial bid only)

FROM: (Name of Service Provider) TO: (Name and address of the client)

Ladies/Gentlemen,

Subject: Financial Proposal for **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode** (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)

We, the undersigned, offer to provide the services for **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode** (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots) in accordance with your Request for Proposal dated *[Date],* and our Proposal (technical and Financial Proposals).

We hereby submit our Financial Proposal in the form of the **Revenue Share Model**, indicating the percentage share of the Gross Parking Fee Collection proposed to be payable to Bengaluru South City Corporation (BSCC) and the percentage share proposed to be retained by the Service Provider, as set out below:

Sl No	**Name of the work**	**Share of Gross Parking Fee Collection payable to BSCC (%)**	**Share of Gross Parking Fee Collection payable to Service Provider (%)**
1	Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)		

The project shall be governed by the Revenue Share Model as specified in this RFP. All parking fees collected from operations under this Project shall be deposited into the designated Escrow Account jointly operated by BSCC and the Service Provider.

The revenue share payable to BSCC shall be transferred from the Escrow Account to the

designated account of the Commissioner, Bengaluru South City Corporation, on or before the 10th day of each succeeding month, in accordance with the Contract provisions.

We undertake that, in competing for (and, if the award is made to us in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988". We will ensure compliance with Section 4A and all other terms and conditions laid out in the RFP. We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature:
Name and Title of Signatory:
Name of the Service Provider:
Address:

SECTION 5. TERMS OF REFERENCE

1. BACKGROUND

Bengaluru South City Corporation is desirous of obtaining services **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode** (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots). The Bengaluru South City Corporation intends to procure the services of a Contracting firm having similar experience to undertake the assignment. Specifically, the following works are intended to be carried out on this Project.

2. OBJECTIVES

The Tenderer shall perform the principal services outlined below as a part of responsibility for the services of the work. They shall provide the qualified staff with relevant experience to carry out the assignment. The tenderer will meet with all the compliances listed below as well as in Section 4A. The Services will include but not limited to the following:

- The Service provider should check the location of the Parking Roads to ensure himself that all the criteria are looked into before applying for tender.
- Service Provider, with the concurrence of Bengaluru South City Corporation shall convene periodical meetings between Bengaluru South City Corporation to discuss, prepare and finalize collection programme prior to the commencement of work.
- Bengaluru South City Corporation shall furnish for the use of the Service Provider all necessary data as required for setting out all permanent and temporary works.
- Bengaluru South City Corporation shall inspect and ensure compliance with the terms and conditions of contract.
- Service Provider shall study all Contract Agreement, Specifications etc. and ensure implementation at site.
- Parking charges to be collected should not exceed the below mentioned Rates:

	Parking Charges (INR)	
	4-Wheeler	**2-Wheeler**
Per Hour	30	15
Full day (Daily Pass)	150	75
Monthly Pass*	4000	2000

***Note:** A maximum of 10% of slots given as monthly pass

- The Service Providers representatives shall be responsible for overall monitoring of the parking activity in the said sites and shall be available at site every day.
- The Service Provider shall be responsible to deploy requisite number of qualified and experienced personnel at site on full time basis to supervise the day-to-day activity of parking and also shall be responsible for monitoring of the vehicle's movement as per specifications and standards.
- The Service Provider shall ensure that all instructions to the Service Providers will be issued in the form of a letter written by officer in charge to the Service Provider or site instructions to the Service Provider written by officer in charge or his representative in site instructions book. They shall maintain the record of all such instructions for verification at every time.
- Services for the implementation, operation and maintenance of the on-street smart parking management system on identified streets in HSR Layout, including technology and man power deployment, collection of prescribed & displayed parking fees and management of traffic within the parking area.
- The contracting agency shall be fully responsible for any damages, losses etc. of the parked vehicles. Bengaluru South City Corporation is in no way responsible for such damage/losses.
- Documentation of all events for security purposes and related matters during the period, which has to be shared to Bengaluru South City Corporation every month. The cost of which will not be paid by Bengaluru South City Corporation.
- Bengaluru South City Corporation shall provide time assistance and direction to the Service Provider in all matters related to the interpretation of the Contract.
- Service Provider shall ensure all the safety norms as per Government directions like Fire safety, Safety of Workers & general public, Vehicles, etc. are adhered to with proper Insurance Policies at the building at the premises throughout the Contract Period.
- Service providers should disburse salaries / payments / DA / VDA / ESI / PF to its employees as per relevant labour laws & other applicable law /rules. Deposit the requisite benefits to concerned departments like, ESI, PF, etc in time. All details to be submitted to Bengaluru South City Corporation every month.
- No advertisements should be displayed.
- Should not Sub-let the premises to other agencies or persons.
- Service Provider should remit the bid amount & other payments like Penalties, Cost of repairs to Damages, etc. to Bengaluru South City Corporation in the form of DEMAND DRAFT drawn in favor of Commissioner, Bengaluru South City Corporation, Bangalore, payable at Bangalore in advance as per his quoted price. Delay in payment will attract an interest of 24% per annum of the amount to be paid to Bengaluru South City Corporation.
- If the Service Provider fails to perform as per the terms & conditions or fails to pay the above amount / Charges even after THREE REMINDERS it may be noted that tender will be terminated, and the damages/arrears will be recovered at risk and cost of the Service Provider from the Performance Security deposit amount.

- Service Provider shall carry out joint inspection with Bengaluru South City Corporation before the end of Contract period and take remedial measures for defects discovered if any, and to correct them and handover the site in correct manner back to Bengaluru South City Corporation along with records stored there on for a sufficient period. Bengaluru South City Corporation will not pay any extra cost for this.
- Service Provider should not carry out any other activity without prior permission of Bengaluru South City Corporation.
- Ensure that Cars / Scooters etc. are parked systematically in neat rows. A parking attendant must ensure that vehicles are parked in an orderly manner and that the vehicles do not encroach upon the open space surrounding.
- **Smoking Restrictions**: Smoking shall be prohibited throughout the road Easily readable "NO SMOKING" signs must be conspicuously posted at locations where they can catch the eye. Each sign must also include a pictograph with illumination.
- Service Providers must have the Technology / Equipment / Machineries for safety & Security purposes as defined in scope of work.
- Upon termination or expiry of the concession agreement, the Concessionaire shall vacate and hand over the project site to Bengaluru South City Corporation in 'as-is' condition. All physical and immovable assets developed, installed, or constructed on-ground by the Concessionaire as part of the project shall be transferred to and shall become the absolute property of Bengaluru South City Corporation, without any financial or legal encumbrance. This clause shall apply strictly to tangible, on-ground physical assets and shall exclude intangible assets or movable items unless specifically provided for in the agreement

The services of the service provider shall be available full time during the entire contract period.

3. SPECIFIC RESPONSIBILITIES OF THE TENDERER

a) Documents

The Bengaluru South City Corporation shall provide to the Service Provider, the copies of all data available which are considered relevant to the execution of Service Provider's work and liaison with other departments for access of information and data.

b) Liaison and Access

The Bengaluru South City Corporation shall provide liaison with other Government agencies and Departments for only the introduction of the Service Provider. Bengaluru South City Corporation will only coordinate with the Service Provider for arranging unhindered access to the relevant agencies / Departments in order to

complete the task successfully.

c) Contract Period and Schedule for Completion of Tasks

- The work is being tendered under a Revenue Share Model, wherein the Service Provider shall collect parking fees and remit the agreed revenue share to the Authority in accordance with the terms of this Contract.

- The Service Provider shall complete the installation, deployment, and commissioning of all required hardware, software, field infrastructure, manpower, and associated technology within a period of Five (5) Months from the date of issuance of the Letter of Award (LoA).

- The implementation across the identified roads as specified in Appendix G shall be undertaken in a phased and progressive manner, with the following mandatory milestone targets:

    - End of Month 1 - Site mobilisation and stakeholder coordination
    - End of Month 2 - Minimum 15% cumulative operational capacity
    - End of Month 3 - Minimum 30% cumulative operational capacity
    - End of Month 4 - Minimum 60% cumulative operational capacity
    - End of Month 5 - 100% operationalization of all identified parking facilities

- The Service Provider shall be permitted to commence operations on completed stretches/roads on a rolling basis, subject to inspection and certification/approval by the Authority, and the Commercial Operation Date (COD) shall be deemed effective only upon successful completion of the entire scope of work.

- The Contract shall be valid for a period of five Years (60 months) from the Commercial Operation Date (COD).

d) Delays in Performance and Imposition of Penalties:

- The Service Provider shall strictly adhere to the milestone targets specified in the implementation schedule. Any shortfall in achieving the prescribed targets shall be deemed a delay in performance. In the event of such delay, the Service Provider shall remit to BSCC the applicable revenue share for the unachieved portion of the parking capacity.
- The penalty amount shall be calculated based on:
    - the number of parking spaces constituting the shortfall,

- average utilization of 15 (fifteen) hours per day, and
- the approved parking fee rates and the agreed revenue share percentage.

- Such amount shall be payable on a daily basis from the respective milestone due date until the shortfall is fully achieved.
- In cases where the delay is attributable to constraints in coordination with, or pending permissions/approvals from Government or statutory stakeholders, the Service Provider shall promptly notify BSCC in writing, along with supporting details, for its consideration.

e) Payments to Bengaluru South City Corporation

- The revenue share payable to BSCC shall be transferred from the Escrow Account to the designated account of the Commissioner, Bengaluru South City Corporation, on or before the 10th day of each succeeding month, in accordance with the Contract provisions.

f) Non-performance of Services - levying of penalty & termination

- A penalty will be levied on the service provider at minimum 24% per annum (2% per month) on the amount to be paid by the Service Provider, in respect of non-payment of bid amount as mentioned in Schedule of payments to Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System. Further, the contract will be terminated and the damages, arrears will be recovered at risk and cost of the Service Provider from the deposit amount.

- Total failure on the performance of services will render forfeiture of the Performance Security Deposit and action will be initiated as per Conditions of Contract.

4. OBLIGATIONS OF THE CLIENT

i. Documents

The Bengaluru South City Corporation shall provide the Service Provider with copies of all data available which are considered relevant to the execution of Service Provider's work and liaison with other departments for access of information and data.

ii. Liaison and Access

The Bengaluru South City Corporation shall provide liaison with other Government agencies and Departments for the introduction of the Service Provider. The Service Provider shall be given unhindered access to the relevant agencies / Departments in order to complete the project successfully.

DISPUTES, IF ANY: Dispute if any, between the client and the Service Provider, the decision of the Commissioner, Bengaluru South City Corporation, Bengaluru is final and binding on both the Client and Service Provider.

SECTION 6: CONTRACT FOR SERVICE PROVIDER'S SERVICES

between

_____

[Executive Engineer, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation]

and

_____

[Name of Service Providers]

Dated:

1. FORM OF CONTRACT

This CONTRACT (hereinafter called the "Contract") is made the_____day of the month of _____, 202___, between, on the one hand,_____(hereinafter called the "Client") and, on the other hand, _____(hereinafter called the "Service Providers").
[*Note: If the Service Providers consist of more than one entity, the above should be partially amended to read as follows:
" (hereinafter called the "Client") and, on the other hand, a joint venture consisting of the following entities, each of which will be jointly and severally liable to the Client for all the Service Providers' obligations under this Contract, namely, and _____(hereinafter called the "Service Providers.")"]

WHEREAS

(a) The Client has requested the Service Providers to provide certain services as defined in the General Conditions of Contract attached to this Contract (hereinafter called the "Services");

(b) The Service Providers, having represented to the Client that they have the required professional skills, and personnel and technical resources, have agreed to provide the Services on the terms and conditions set forth in this Contract.

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:

(a) The General Conditions of Contract (hereinafter called "GCC");

(b) The Special Conditions of contract (hereinafter called "SCC");

(c) The following Appendices:

Appendix A: Reporting Requirements _____
Appendix B: Pre bid meeting queries format_____
Appendix C: Form of Bank Guarantee for Security Deposit_____
Appendix D: Bank Guarantee Format for Earnest Money Deposit_____
Appendix E: Approved Rate Card_____
Appendix F: Certificate of Compliance and Understanding_____
Appendix G: List of Streets in HSR Layout and Total Parking Allocation Details of Two-

Wheeler and Four-Wheeler Parking Slots_____
Appendix H: Core Components of Parking Management System_____

[Note: If any of these Appendices are not used, the words "Not Used" should be inserted below next to the title of the Appendix on the sheet attached hereto carrying the title of that Appendix.]

2. The mutual rights and obligations of the Client and the Service Providers shall be as set forth in the Contract, in particular:

(a) The Service Providers shall carry out the Services in accordance with the provisions of the Contract; and

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

FOR AND ON BEHALF OF [NAME OF CLIENT]

By (Authorized Representative)

FOR AND ON BEHALF OF [NAME OF SERVICE PROVIDER]

By (Authorized Representative)

[**Note**: If the Service Providers consist of more than one entity, all of these entities should appear as signatories, e.g., in the following manner:]

FOR AND ON BEHALF OF EACH OF
THE MEMBERS OF THE SERVICE PROVIDERS

[Name of Member]

By (Authorized Representative)

[Name of Member]
By (Authorized Representative) etc.

2. GENERAL CONDITIONS OF CONTRACT

A. GENERAL PROVISIONS

1.1 Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

(a) "Applicable Law" means the laws and any other instruments having the force of law in India, as they may be issued and in force from time to time;

(b) "Contract" means the Contract signed by the Parties, to which these General Conditions of Contract (GCC) are attached, together with all the documents listed in Clause 1 of such signed Contract;

(c) “Effective Date” means the date on which this Contract comes into force and effect pursuant to Clause GCC 2.1

(d) “Contract Price” means the price to be paid for the performance of the Services, in accordance with Clause 6;

(e) "GCC" means these General Conditions of Contract;

(f) "Government" means the Government of Karnataka;

(g) "Local currency" means Indian Rupee;

(h) "Member", in case the Service Providers consist of a joint venture of more than one entity, means any of these entities, and "Members" means all of these entities; ‘Member in Charge’ means the entity specified in the SCC to act on their behalf in exercising all the Service Providers’ rights and obligations towards the Client under this Contract.

(i) "Party" means the Client or the Service Providers, as the case may be, and Parties means both of them;

(j) "Personnel" means persons hired by the Service Providers or by any Sub-Service Provider as employees and assigned to the performance of the Services or any part thereof; and ‘key personnel’ means the personnel referred to in Clause GCC 4.2 (a)

(k) "SCC" means the Special Conditions of Contract by which these General Conditions of Contract may be amended or supplemented;

(l) "Services" means the work to be performed by the Service Providers pursuant to this Contract; and

(m) "Sub-Service Provider" means any entity to which the Service Providers subcontract any part of the Services in accordance with the provisions of Clauses 3.5 and 4.

(n) "Third party" means any person or entity other than the Government, the Client, the Service Providers, or a Sub-Service Provider.

1.2 Law Governing the Contract

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.

1.3 Language

This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

1.4 Notices

Any notice, request or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified in the SCC.

1.5 Location

The Services shall be performed at such locations as are specified in Appendix G and, where the location of a particular task is not so specified, at such locations, whether in Karnataka or elsewhere, as the Client may approve.

1.6 Authorized Representative

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Client or the Service Providers may be taken or executed by the officials specified in the SCC.

1.7 Taxes and Duties

The Service Providers, Sub-Service Providers and their Personnel shall pay such taxes, duties, fees and other impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price.

B. Commencement, Completion, Modification and termination of Contract

2.1 Effectiveness of Contract

This Contract shall come into effect on the date the Contract is signed by both Parties and such other later date as may be stated in the SCC.

2.2 Commencement of Services

The Service Providers shall begin carrying out the Services immediately after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

2.3 Expiration of Contract

Unless terminated earlier pursuant to Clause 2.7, this Contract shall terminate at the end of such time period after the Effective Date as is specified in the SCC.

If the Bidder/Concessionaire wishes to seek an extension after 36 months for an additional period of 24 months, a written request must be submitted at least 30 days before the expiry of 36 months from the date of Work Order.

The Bengaluru South City Corporation may, at its sole discretion and subject to its assessment of the Bidder's performance, grant such extension. The decision in this regard shall rest exclusively with BSCC.

2.4 Modification

Modification of the terms and conditions of this Contract, including any modification of the scope of the Services or of the Contract Price, may only be made by written agreement between the Parties.

2.5 Force Majeure

2.5.1 Definition

For the purposes of this Contract, "Force Majeure" means an event which is beyond the

reasonable control of a Party, and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

2.5.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

2.5.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

2.5.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Service Providers, the payment shall be arrived on mutual consent under the terms of this Contract.

2.5.5 Suspension:

The Client may by written notice of suspension to the Service Providers, suspend all access to the Service Providers hereunder if the Service Providers fail to perform any of their obligations under this contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the Service Providers to remedy such failure within a period not exceeding thirty (30) days after receipt by the Service Providers of such notice of suspension.

2.6 Liquidated damages for delay in completion

2.7 Termination

2.7.1 By the Client

The Client may terminate this Contract, by not less than thirty (30) days' written notice of termination to the Service Providers, to be given after the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause 2.7.1 and sixty (60) days' in the case of the

event referred to in (e):

(a) if the Service Providers do not remedy a failure in the performance of their obligations under the Contract, within thirty (30) days of receipt after being notified or within such further period as the Client may have subsequently approved in writing;

(b) If the Service Providers (or any of their Members) become insolvent or bankrupt;

(c) If, as the result of Force Majeure, the Service Providers are unable to perform a material portion of the Services for a period of not less than sixty (60) days; or

(d) If the Service Provider, in the judgment of the Client, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of GOK, and includes collusive practice among Service Providers (prior to or after submission of proposals) designed to establish prices at artificial non-competitive levels and to deprive GOK of the benefits of free and open competition.

(e) If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.

2.7.2 By the Service Providers

The Service providers may terminate this Contract, by not less than thirty (30) days' written notice to the Client, such notice to be given after the occurrence of any of the events specified in paragraphs (a) through (b) of this Clause 2.7.2:

(a) If the Client is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Service providers may have subsequently approved in writing) following the receipt by the Client of the Service providers' notice specifying such breach;
(b) if, as the result of Force Majeure, the Service providers are unable to perform a material portion of the Services for a period of not less than sixty (60) days.

2.7.3 Cessation of Rights and Obligations

Upon termination of this Contract pursuant to Clause GCC 2.7, or upon expiration of this Contract pursuant to Clause GCC 2.3, all rights and obligations of the Parties hereunder shall cease, except:

(i) such rights and obligations as may have accrued on the date of termination or expiration;

(ii) the obligation of confidentiality set forth in Clause GCC 3.3 hereof;

(iii) any right which a Party may have under the Applicable Law

2.7.4 Cessation of Services

Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GCC 2.7.1 or GCC 2.7.2 hereof, the Service Providers shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Service Providers and equipment and materials furnished by the Client, the Service Providers shall proceed as provided, respectively, by Clauses GCC 3.7 and GCC 3.8.

C. Obligations of the Service Providers:

3.1 General

The Service Providers shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Service Providers shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with Sub-Service Providers or third parties.

3.2 Service Providers Not to Benefit from Commissions, Discounts, etc.

The remuneration of the Service Providers pursuant to Clause 6 shall constitute the Service Providers' sole remuneration in connection with this Contract or the Services, and the Service Providers shall not accept for their own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Service Providers shall use their best efforts to ensure that the Personnel, any Sub-Service Providers, and agents of either of them, similarly shall not receive any such additional remuneration.

3.3 Procurement Rules of Funding Agencies

If the Service Providers, as part of the Services, have the responsibility of advising the Client on the procurement of goods, works or services, the Service Providers shall comply with any applicable procurement guidelines of the funding agencies and shall at all times exercise such responsibility in the best interest of the Client. Any discounts or commissions obtained by the Service Providers in the exercise of such procurement responsibility shall be for the account of the Client.

3.4 Service Providers and Affiliates Not to engage in certain Activities

The Service Providers agree that, during the term of this Contract and after its termination, the Service Providers and their affiliates, as well as any Sub-Service Provider and any of its affiliates, shall be disqualified from providing goods, works or services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

3.5 Prohibition of Conflicting Activities

Neither the Service Providers nor their Sub-Service Providers nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

(a) during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract; or

(b) After the termination of this Contract, such other activities as may be specified in the SCC.

3.5 Confidentiality

The Service Providers, their Sub-Service Providers, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Client's business or operations without the prior written consent of the Client.

3.6 Insurance to Be Taken out by the Service Providers

The Service Providers (a) shall take out and maintain, and shall cause any Sub- Service Providers to take out and maintain, at their (or the Sub-Service Providers', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverage, as shall be specified in the SCC; and (b) at the Client's request, shall provide evidence to the Client showing that such insurance has been taken out and maintained and that the current premiums have been paid.

3.7 Service Providers' Actions Requiring Client's Prior Approval

The Service Providers shall obtain the Client's prior approval in writing before taking any of the following actions:

(a) entering into a subcontract for the performance of any part of the Services, it being understood (i) that the selection of the Sub-Service Provider and the terms and conditions of the subcontract shall have been approved in writing by the Client prior to the execution of the subcontract, and (ii) that the Service Providers shall remain fully liable for the performance of the Services by the Sub-Service Provider and its Personnel pursuant to this Contract;

(b) any other action that may be specified in the SCC.

3.8 Reporting Obligations

The Service Providers shall submit to the Client the reports and documents specified in Appendix A in the form, in the numbers, and within the periods set forth in the said Appendix.

3.9 Documents Prepared by the Service Providers to Be the Property of the Client

All plans, drawings, specifications, designs, reports and other documents and software submitted by the Service Providers in accordance with Clause 3.6 shall become and remain the property of the Client, and the Service Providers shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Client, together with a detailed inventory thereof. The Service Providers may retain a copy of such documents and software. Restrictions about the future use of these documents, if any, shall be specified in the SCC.

D. Service Providers' Personnel and Sub-Service Providers

4.1 Description of Personnel

The titles agreed with job descriptions, minimum qualifications and estimated periods of engagement in the carrying out of the Services of the Service Providers' Key Personnel are described in Format 3D (Section 3). The Key Personnel and Sub-Service Providers listed by title as well as by name in Format 3D (Section 3) are hereby approved by the Client.

4.2 Removal and/or Replacement of Personnel

(a) Except as the Client may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Service Providers, it becomes necessary

to replace any of the Key Personnel, the Service Providers shall forthwith provide as a replacement a person of equivalent or better qualifications.

(b) If the Client finds that any of the Personnel have (i) committed serious misconduct or has been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Service Providers shall, at the Client's written request specifying the grounds there for, forthwith provide as a replacement a person with qualifications and experience acceptable to the Client.

(c) The Service Providers shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Client

5.1 Assistance and Exemptions

Unless otherwise specified in the SCC, the Client shall use its best efforts to ensure that the Government shall:

(a) issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services;

(b) assist the Service Providers and the Personnel and any Sub-Service Providers employed by the Service Providers for the Services from any requirement to register or obtain any permit to practice their profession or to establish themselves either individually or as a corporate entity according to the Applicable Law;

(c) provide to the Service Providers, Sub-Service Providers and Personnel any such other assistance as may be specified in the SCC.

F. Payment to the Service Providers:

6.1 Contract Price

The Contract price is set forth in the Special Conditions of Contract (SCC).

6.2 Payment for Additional Services

The Service Provider has to render the services of any sort as required by the client due to unforeseen circumstances within the scope of services agreed upon during the contract period without claiming any relaxation in annual charges.

6.3 Interest on Delayed Payments

If the Service Provider has delayed payments beyond fifteen (15) days after the due date stated in the Conditions, interest shall be paid to the Client for each day of delay at the rate stated in the Conditions.

G. Settlement of Disputes

a. Amicable Settlement

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

b. Dispute Settlement

Any dispute between the Parties as to matters arising pursuant to this Contract that cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement in accordance with the provisions specified in the SCC.

H. Penalty Schedule

In the event of a breach of contract terms or non-compliance with the Scope of Work, the applicable penalties shall be imposed as per the schedule outlined below:

SI. No.	Cause for Penalty to the operator	Penalty per Day (INR)
1	Attendant / security guard at site not in uniform / without identity card	500
2	Arrows indicating parking area not painted	500
3	Boards displaying Pay-and-park availability, rate schedule, sample ticket, and Bengaluru South City Corporation logo not displayed at site	500
4	Failure to earmark parking as per plan	1000 per instance
5	Failure to act on vehicles parked outside the officially demarcated parking slots within the response time prescribed by BSCC	500
6	Charging higher than prescribed rates	5000 per instance

SI. No.	Cause for Penalty to the operator	Penalty per Day (INR)
7	Real time collection data not being provided to Bengaluru South City Corporation	1000 per day
8	Non-issuance of manual or digital ticket/receipt for vehicles parked in designated parking areas	1000 per vehicle
9	Violation of any other terms and conditions of the Contract	2000

3. SPECIAL CONDITIONS OF CONTRACT

Number of Amendments of, and Supplements to, Clauses in the General Conditions of Contract | **GC Clause ***

1.1 (h) The Member in Charge is]. 1.4.1 The addresses are:

Client: **Executive Engineer, Zone -1 & 2, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, Bengaluru.**

Attention: _____ Telephone: _____
E-mail: _____

Service Providers: _____

Attention: _____ Telephone: _____
E-mail: _____

[Note: Fill in the blanks]

[1.4.2 Notice shall be deemed to be effective as follows:

(a) In the case of personal delivery or registered mail, on delivery;
(b) In the case of telexes/e-mail, 24 hours following confirmed transmission
(c) In the case of telegrams, 24 hours following confirmed transmission; and
(d) In the case of facsimiles, 24 hours following confirmed transmission.]

[1.6 The Authorized Representatives are:

For the Client: **Executive Engineer, Zone -1 & 2, Traffic Engineering and Mobility Cell, Bengaluru South City Corporation, Bengaluru.**

For the Service Provider:

[Note: Fill in the blanks

[1.7.1 The Service Providers and the personnel shall pay the taxes, duties, fees, levies and other impositions levied under the existing, amended or enacted laws during life of this contract and the client shall perform such duties in regard to the deduction of such tax as may be lawfully imposed.

[2.1 The date on which this Contract shall come into effect is:

[2.2 The time period shall be 15 days or any other appropriate or such other time period as the parties may agree in writing.

[2.3 The period shall be 15 days or such other period as the parties may agree in writing]. [3.4

The risks and the coverages shall be:

(1) Third Party motor vehicle liability insurance as required under Motor Vehicles Act, 1988, in respect of motor vehicles operated in India by the Service Providers or their Personnel or any Sub-Service Providers or their Personnel, for the period of Service Provider;

(2) Third Party liability insurance, with a minimum coverage for Rs. 50,00,000/- (Rupees Fifty Lakhs only) for the period of Service Provider;

(3) Client's liability and workers' compensation insurance in respect of the Personnel of the Service Providers and of any Sub-Service Provider, in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate;

(4) Professional liability insurance, with a minimum coverage equal to total contract value for this Service Provider; and

(5) Insurance against loss of or damage to (i) equipment purchased in whole or in part with funds provided under this Contract, (ii) the Service Providers' property used in the performance of the Services, and (iii) any documents prepared by the Service Providers in the performance of the Services.

[Note: Fill in the blanks and delete what is not applicable]

[3.7 The Service Providers shall not use these documents for purposes unrelated to this Contract without the prior written approval of the Client.]

[5.1 Note: List here any changes or additions to Clause GCC5.1 If there are no such changes or additions, delete this Clause SCC5.1 from the SCC.]

[6.2 The amount of the contract is Rs. [6.4 The account is]

[7.2 Disputes shall be settled by arbitration in accordance with the following provisions – Deleted. As per the orders issued from Govt. of Karnataka vide GO No. LAW- LAC/198/2024, Dated: 16/11/2024.]

4. APPENDICES

Appendix A: Reporting Requirements

- **Real-Time Data Integration**

  The Service Provider shall ensure continuous and real-time integration of parking collection data with the centralized system. The data shall include, at a minimum:
  - Number of tickets issued;
  - Revenue collected;
  - Detailed Occupancy levels for designated parking locations/road stretches;
  - Any other parameters as specified by the Employer from time to time.

- **Monthly Aggregate Reporting**

  The Service Provider shall submit a comprehensive monthly report summarizing the above metrics to the Employer (Bengaluru South City Corporation) on or before the 7th day of the succeeding month.

  The report shall be submitted in both hard copy and soft copy formats, in the prescribed format as approved by the Employer. The Employer may, from time to time, modify the reporting format and requirements.

Appendix B: Pre bid meeting queries format

Serial Number	Clause/ query	Page Number	Proposed Modification/Query

Consultant

Executive Engineer
Traffic Engineering & Mobility Cell
Bengaluru South City Corporation

Appendix C: Form of Bank Guarantee for Security Deposit

To: _____ [Name of Employer]
_____ [Address of Employer]

WHEREAS _____ [Name and Address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and Brief Description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized Bank for the sum specified therein as Security for compliance with his Obligations in Accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee.

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, upto a total of Rs._____ [Amount of Guarantee]7 Rupees_____ [in Words] and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [Amount of Guarantee]8 as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no Change or Addition to or other Modification of the Terms of the Contract or of the Works to be performed there under or of any of the Contract Documents which may be made between you and the Contractor shall in any way release us from any Liability under this Guarantee, and we hereby waive Notice of any such Change, Addition or Modification.

This guarantee shall be valid until 30 days from the Date of Expiry of the Defects Liability Period.

Signature and Seal of the Guarantor:
Name of Bank:
Address:
Date:

7 An Amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract.
8 An Amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract.

Appendix D: Bank Guarantee Format for Earnest Money Deposit

To

Commissioner
Bengaluru South City Corporation
2nd Floor, 9th Main Road, Jayanagara East, 2nd Block,
Bengaluru – 560011

In accordance with your **Tender No: EE/BSCC/TE&M Cell/TEND/07/2026-27** for the Work of **Selection of Agency for Implementation, Operation and Maintenance of On-street Smart Parking Management System on Identified Streets in HSR Layout under PPP Mode (12 roads covering nearly 18.02 km of road length, approx. 627 car slots and 3355 two wheeler slots)** (hereinafter called "the Tender"), M/s. _____ one of the Tenderers (hereinafter called the "the Tenderer") having its Registered Office at _____, wishes to participate in the said Tender and an irrevocable Bank Guarantee against Earnest Money Deposit for an Amount of Rs. _____ (Rupees) is required to be submitted by the Tenderer towards the Tender Security.

KNOW ALL MEN by these presents that we, _____ (Name of Bank) of _____ (Name of Country) having our Registered Office at _____ (hereinafter called "the Bank") at the Request of the Tenderer do hereby unequivocally and unconditionally guarantee the same Amount as stated above. The Bank is bound unto Bengaluru South City Corporation, 2nd Floor, 9th Main Road, Jayanagara East, 2nd Block, Bengaluru – 560011 (hereinafter called "the Employer) in the same Amount as stated above for which Payment well and truly to be made to the said Employer, the Bank binds himself, his Successors and Assigns by these presents.

SEALED with the Seal of the said Bank this _____ day of _____ 2026.

The Conditions of this Obligation are:

1. If the Tenderer withdraws his Tender after Tender Opening during the Period of Tender Validity specified in the Tender Document; or
2. If the Tenderer does not accept the Correction of the Tender Price in accordance with the Instructions to Tenderers.
3. If the Tenderer having been notified of the Acceptance of his Tender by the Employer during the Period of Tender Validity.
    a. Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Tenderers; or
    b. Fails or refuses to furnish the Performance Security in accordance with the Instructions to Tenderers.

We undertake to pay to the Employer upto the above Amount upon Receipt of his First Written Demand, without the Employer having to substantiate his Demand, provided that in his Demand

the Employer will note that the Amount claimed by him is due to him owing to the Occurrence of one or any of the Conditions, specifying the Occurred Condition or Conditions.
This Guarantee will remain in force upto and including _____ (Date) i.e. 135 (one hundred and Thirty Five) days beyond the Tender Validity as such Deadline is stated in the Instructions to Tenderers or it may be extended by the Employer, Notice of which Extension (s) to the Bank shall be received from the Tenderer on whose behalf this Guarantee has been issued. Any Demand in respect of this Guarantee should reach the Bank not later than the above Date.

Date _____
Signature of the Bank _____
Seal of the Bank _____
Signature of the Witness _____
Name and Address of the Witness _____

Appendix E: Approved Rate Card

Parking charges to be collected should not exceed the below mentioned Rates

	Parking Charges (INR)	
	4-Wheeler	**2-Wheeler**
Per Hour	30	15
Full day (Daily Pass)	150	75
Monthly Pass*	4000	2000

*A maximum of 10% of slots given as monthly pass

Appendix F: Certificate of Compliance and Understanding

[To be submitted on the letterhead of the Tenderer / Bidder]

Date:

To:
Designation:
Name of the Procuring Authority:
Address:

Subject: Certificate of Having Read and Understood the Clauses Specified in the Tender Document

I/We, the undersigned, hereby certify that I/we have thoroughly read, understood, and agree to comply with all the clauses, terms, and conditions mentioned in the Tender Document including those specified in the above RFP No: EE/BSCC/TE&M Cell/TEND/07/2026-27

I/We further declare that all the information and documents provided as part of our tender submission are true and accurate to the best of our knowledge and belief

I/We understand that any deviation or false declaration may lead to disqualification or termination of the contract at any stage.

Authorized Signatory:

(Signature)

Name:

Designation:

Company Name:

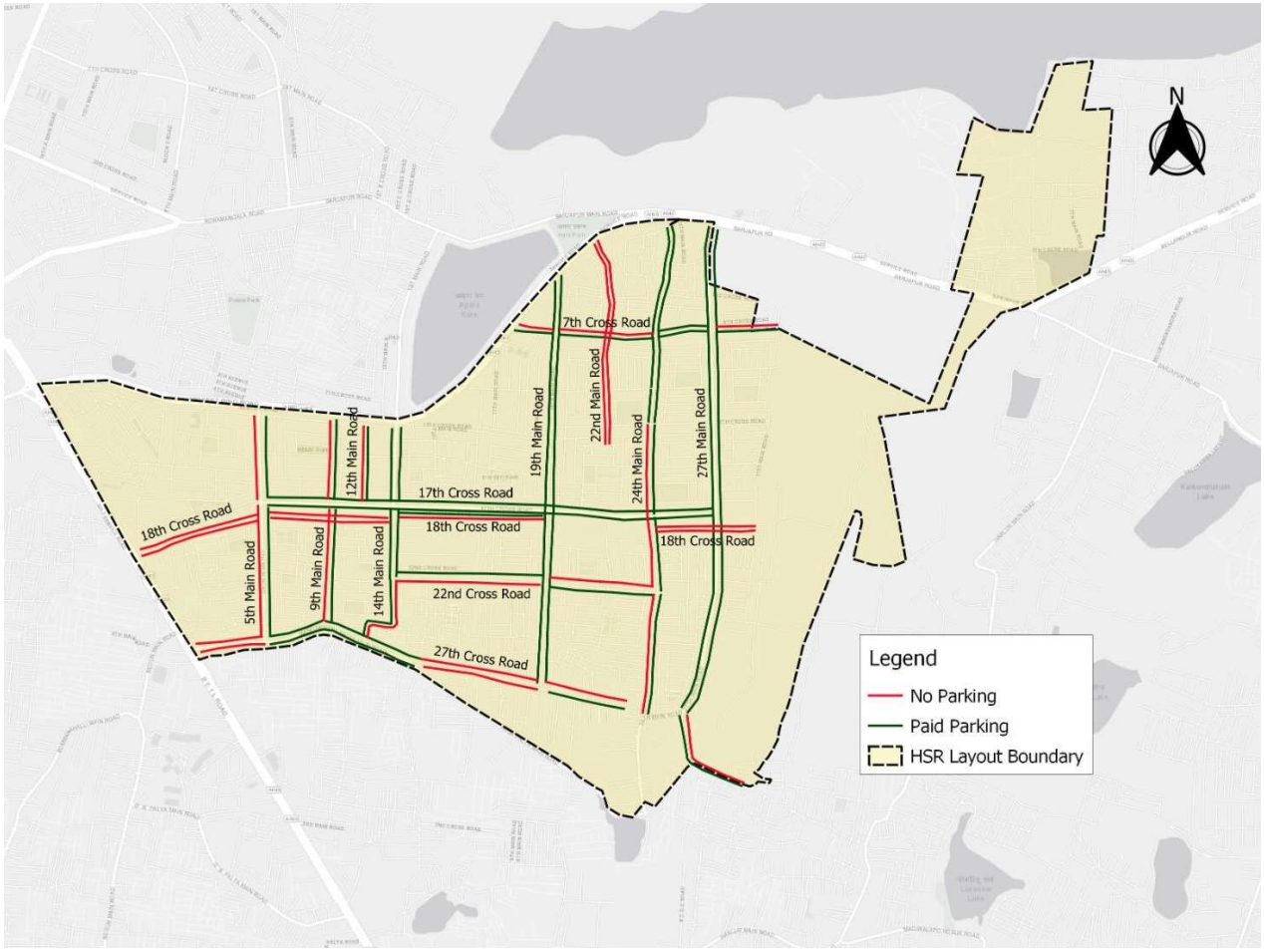
Contact Details:

Seal/Stamp of the Bidder

Appendix G: List of Streets in HSR Layout and Parking Allocation Details

Background

BSCC has undertaken parking studies and assessed the parking demand for HSR Layout. Based on the parking assessment, a comprehensive Area-Level Parking Management Plan is prepared for 13 streets covering 20.62 km of road length. Based on land-use characteristics, street typology, and functional classification, suitable road stretches have been identified for on-street parking interventions and detailed parking allocation plans for two-wheelers and four-wheelers have been prepared. The following map illustrates the streets/segments permitted for pay and park and no-parking.



Map Showing Paid Parking and No-Parking Streets/Segments in HSR Layout

List of Roads and Allocation Details, HSR Layout for Implementation and Operation of Parking Management System:

Sl. No.	Road Name	Road Length (km)	TW	Car	Auto	Cycle	Emergency/ Ambulance	P&D	PWD	Total (Numbers)
1	5th Main Road	1.08	120	24	6	0	0	0	5	155
2	9th Main Road	0.96	180	26	0	10	0	0	6	222
3	12th Main Road	0.36	35	8	0	0	0	4	2	49
4	14th Main Road	1.14	170	34	10	10	0	0	6	230
5	19th Main Road	1.9	405	106	22	10	3	7	11	564
6	24th Main Road	2.24	415	18	8	0	0	3	11	455
7	27th Main Road	2.8	710	188	14	30	4	0	22	968
8	7th Cross Road	1.23	135	12	12	0	2	0	2	163
9	17th Cross Road	2.09	500	144	6	20	0	10	11	691
10	18th Cross Road (14th Main to 19th Main Rd)	0.7	220	45	0	15	0	0	8	288
11	22nd Cross Road	1.5	350	18	0	0	0	0	7	375
12	27th Cross Road	2.02	115	4	0	0	0	0	2	121
Total Allocation (Numbers)		**18.02**	**3355**	**627**	**78**	**95**	**9**	**24**	**93**	**4281**

Consultant

Executive Engineer
Traffic Engineering & Mobility Cell
Bengaluru South City Corporation

Two-Wheeler and Four-Wheeler Parking Allocation Summary

4 Wheelers Slots	627
2 Wheelers Slots	3355
Kilometers of Road	18.02 km

Note:

- *TW: Two Wheelers*
- *P&D: Pick up and Drop Off*
- *PWD: Persons with Disabilities*
- The above plan is provided for indicative purposes only as a preliminary reference to assist the Bidders. The Bidders shall independently carry out all necessary surveys, drawings, investigations, and detailed assessments prior to submission of their Bids. BSCC reserves the right to modify, extend, reduce, or rationalize the proposed parking limits, parking spaces, and street coverage during implementation and operation based on site requirements, traffic conditions, parking demand, and operational considerations.
- The indicated allocation of parking spaces for two-wheelers and cars is inclusive of designated provisions for Women-reserved parking slots, which shall be clearly demarcated and implemented in accordance with applicable guidelines and standards.

Appendix H: Core Components of Parking Management System

Service Provider Obligations

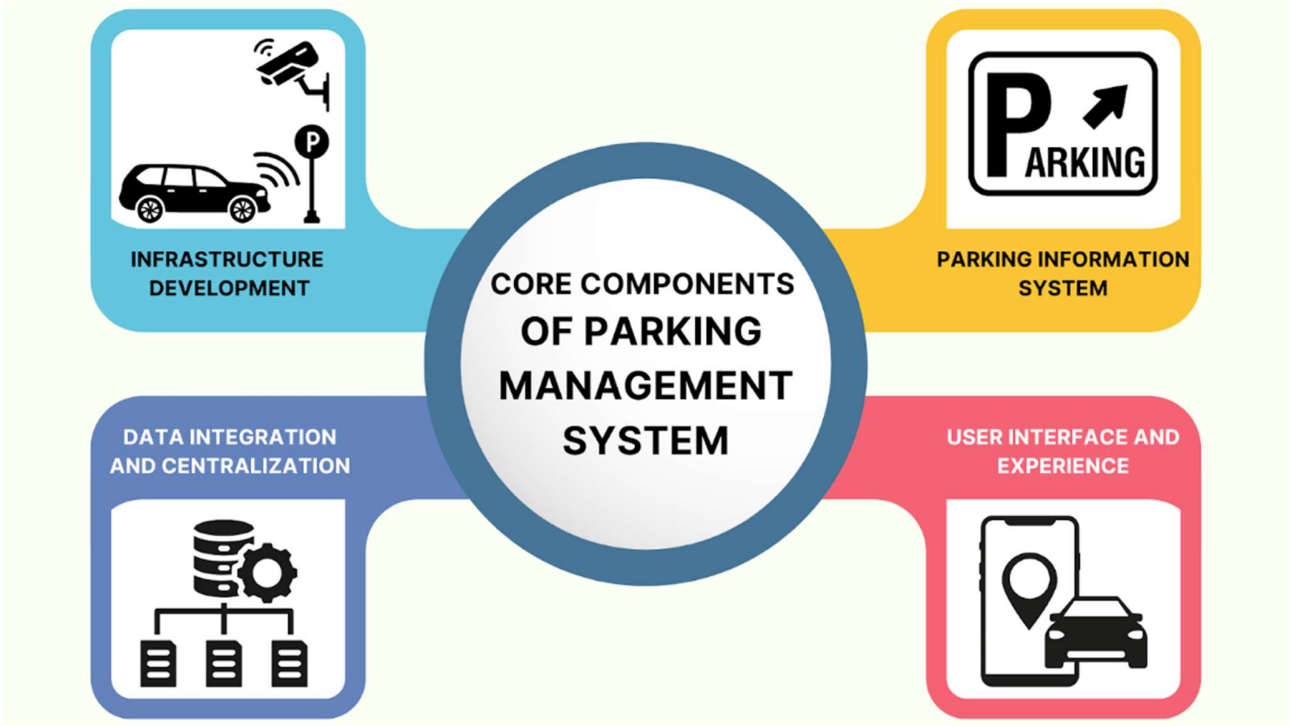
The Service Provider shall design, deploy, operate, and maintain a comprehensive parking management system with continuous, real-time integration to a **centralized parking management platform**. The system shall ensure seamless data flow, operational transparency, and compliance with all specifications prescribed by the Authority.

The Service Provider shall be responsible for the following core components, at a minimum:

1. **Infrastructure Development:** Installation and maintenance of all required on-street parking infrastructure, including surveillance cameras and/or sensors, communication devices, POS machines, digital and static signage, ground markings, and supporting power and connectivity systems necessary for effective parking operations.
2. **Parking Information System:** Provision of real-time parking information through web/mobile applications, Variable Message Sign (VMS) boards and other approved display systems, integrated with the central system to accurately reflect parking availability, tariffs, regulations, and operational status.
3. **Data Integration and Centralization:** Continuous and secure transmission of parking-related data, including occupancy, availability, vehicle category, transaction details, enforcement actions, and operational parameters into a centralized database through approved APIs or interfaces. Data may be sourced from on-ground personnel, POS systems, and AI-enabled camera-based or sensor-based technologies.
4. **User Interface and Experience:** Enable access to parking information and payment services through web-based platforms, mobile interfaces, QR-based systems, or other approved digital channels to ensure ease of use, transparency, and efficient user interaction.
5. **Operations and Maintenance:** Deployment of trained manpower for on-ground parking management, monitoring, and enforcement support, along with regular maintenance of all hardware and software components to ensure uninterrupted system performance.

The Service Provider shall ensure that all system components function in an integrated manner, support real-time monitoring and reporting, and adhere to the technical, operational, and data security requirements specified by the Bengaluru South City Corporation.

Core Components of Parking Management System:



I. Hardware Components – Requirements and Specifications:

Sl. No.	Item	Technical and Functional Specification
1	Surveillance Cameras including Accessories and Poles	As outlined in Appendix H
2	Body Cameras	As outlined in Appendix H
3	Handheld POS Machines	As outlined in Appendix H
4	Walkie-Talkies	As outlined in Appendix H
5	Uniforms for Wardens	As outlined in Section 4A
6	Parking Boards	As outlined in Section 4A
7	Parking Signages	As per IRC:67-2022
8	Road Markings	As per Karnataka Schedule of Rates (SOR) 2023 - 24
9	Road Studs	As per Karnataka Schedule of Rates (SOR) 2023 - 24
10	VMS Boards (Outdoor LED Boards with 4G Connectivity)	As outlined in Appendix H

Sl. No.	Item	Technical and Functional Specification
11	Towing Vehicle, Wheel Clamps and E-bikes	As outlined in Appendix H
12	Installation and Setup (poles, cabling and testing)	As per site requirements

1. Surveillance Cameras

Sl. No.	Parameter	Technical & Functional Specification
1	Requirement Overview	High-definition 3MP and above IP Box/Bullet Camera for outdoor with 2 servers, STQC certification and 30 mtr integrated IR
2	Sensor Type	1/3" Progressive Scan CMOS with additional Digital Signal Processor (DSP) for real-time video analytics
3	Shutter Speed	1/3 s to 1/100,000 s
4	Max Resolution	2560 × 1440 @ 20fps
5	Lens Focal Length	2.8 mm / 4 mm / 6 mm
6	Smart Detection	Motion detection, video tampering alarm, illegal login
7	Certification	ER Certification by STQC (Mandatory), UL/CE/FCC required. Must comply with STQC/IT&eGov/IoTSCS/001 dated 22-05-2025, issued by the Ministry of Electronics & Information Technology
8	OEM Criteria	All cameras from single OEM registered in India

2. Body Cameras

Sl. No.	Parameter	Technical & Functional Specification
1	Requirement Overview	Body Worn Camera suitable for field enforcement staff, capable of recording high-definition video and audio with built-in storage and wireless connectivity features
2	Image/Video Resolution	Minimum Full HD (1080p) video recording; still image capture up to high resolution (minimum 12 MP or higher)
3	Display	Minimum 2.0-inch LCD screen for live view and playback
4	Night Vision	Integrated IR support with minimum visibility range of 8-10 meters
5	Connectivity	Built-in 4G/LTE (preferred), Wi-Fi, and Bluetooth for data transfer and live streaming (if required)
6	GPS	Inbuilt GPS module for location tagging of recordings
7	Storage	Minimum 64 GB internal storage
8	Battery	Minimum 10-12 hours continuous recording; replaceable or rechargeable battery

9	Audio	Built-in microphone and speaker for audio recording and playback
10	Durability	Rugged design suitable for outdoor use; minimum IP65 rating or equivalent
11	Mounting	Clip/shoulder mount compatible with uniforms
12	Data Security	Support for secure data storage and access control (password/encryption based)
13	Certification	CE/FCC or equivalent certification
14	OEM Criteria	Equipment shall be supplied by a reputed OEM with service support in India

3. Handheld POS Machine

Sl. No.	Parameter	Technical & Functional Specification
1	Requirement Overview	Basic parking metering & management application synced with Parking Management System
2	Transaction Data Requirements	Date & Time, Device ID, Ticket Serial No, Parking Slot No, Location, Vehicle No, Parking Fee, Duration
3	Card Readers	Chip & PIN / Contactless / Magnetic Stripe
4	Inbuilt Cameras	5MP FF Rear with flashlight, 0.3MP Front, Optional 8MP AF
5	Inbuilt Printer	80mm/sec, Paper roll outer diameter 40mm
6	SIM/SAM	Card Emulation, eSIM + NFC (default/optional)
7	Positioning	AGPS / GPS / GLONASS / BEIDOU
8	Certifications	PCI PTS 6.x SRED, EMV L1 & L2, EMV Contactless L1, Visa pay Wave, MasterCard, UPI qUICS, Amex, Discover, JCB, Interac, CE, RoHS, BIS, etc.

4. Walkie-Talkies

Sl. No.	Parameter	Technical & Functional Specification
1	Frequency Band	License-free band (PMR/FRS or equivalent as per applicable regulations in India)
2	Communication Range	Minimum 5–6 km in open areas (subject to terrain and environmental conditions)
3	Channels	Minimum 24 channels (higher preferred)
4	Battery	Rechargeable Li-ion battery with minimum 2000–2500 mAh capacity
5	Battery Backup	Minimum 10–12 hours of normal usage (standby/talk time up to 1–2 days)
6	Audio Quality	Clear voice transmission with noise reduction / suppression feature
7	Build Quality	Compact, rugged design suitable for outdoor field use
8	Accessories	Standard accessories including charger, belt clip, and antenna

9	Compliance	Equipment shall comply with applicable WPC/DoT norms for license-free operation in India
10	OEM Criteria	Equipment shall be supplied by a reputed OEM with service support in India

5. Towing Vehicle

Technical and Functional Specification of Towing Vehicle:

- Six-Wheeler Towing vehicle with Chassis of 11 Ft x 6 Ft.
- Tow away truck with power steering / mechanical.
- Helpers for lifting the towing vehicles (Minimum 2 helpers per shift)
- Capable of towing cars of all wheel size by hydraulic lifting.
- Lifting cars upto 3 tons.
- Lifting height should be adequate to suitably tow the vehicle.
- Tow rating 6250lbs.
- Self-loading wheel lift.
- Hydraulic technology for both front tires.
- Safety belt, rear strip, ratchet and strap combo, wrap around
- axle, spacer blocks.
- Provision for Toolbox, First aid box, Backside seating provision, public announcement system with siren, Headlamp, cones and chains, reflectors.

6. VMS Boards (Outdoor LED Boards with 4G Connectivity)

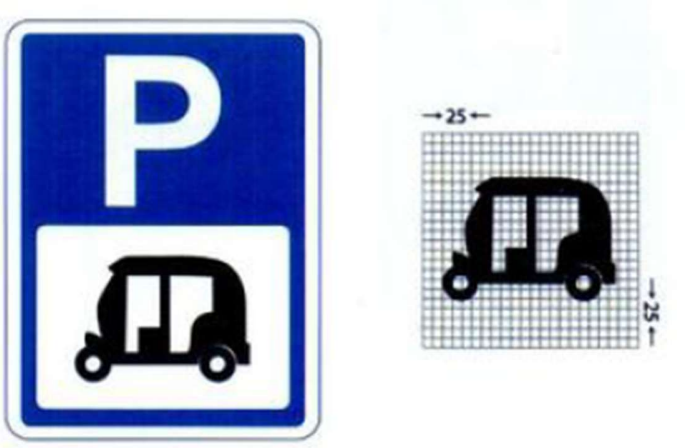
SL. NO.	DESCRIPTION	SPECIFICATION
1	View of the Display	Single Sided
2	Application	Outdoor
3	Display Size (Cabinet Size)	Size based on the information to be displayed
4	Visibility	80 meters
5	Character Height per Line	8 inches
6	Effect per Window	Steady
7	Display of Colour Elements	RGB
8	LEDs Used	Cluster LED Based
9	Operating Temperature	0–70°C
10	Humidity Range	0–100%
11	Language	English & Kannada
12	LED Pitch	10 mm
13	LED Module Type	SMD
14	IP Compliance	IP65
15	Communication Interface	LAN
16	Display Compatibility	Alphanumeric
17	Power	230 VAC, 50 Hz
18	Power Consumption	972 Watt
19	Weight	60–70 kg Approx.

20	Cabinet Color	Havel's Grey
21	Mounting Arrangement	Wall Mounting / Hanging
22	Display Board Housing	20 Gauge Thick, CRCA, Powder Coated

7. Parking Signage Boards

Technical specification confirming to IRC:67-2022 – Code of Practice for Road Signs

Cycle Parking



Auto Rickshaw Parking

Scooter and Motorcycle Parking

Car Parking

Pickup and Drop Point

Parking for Differently Abled Person

II. Software Components (Central System) – Requirements and Specifications:

1. LED Surveillance Screen

Sl. No.	Parameter	Technical & Functional Specification
1	Aspect Ratio	16:9
2	Resolution	1684 × 926
3	Viewing Angle	160° (Horizontal & Vertical)
4	Certifications	BIS (CRS), RoHS, CE, FCC, CB, EMC, ISO

2. Local Server

Sl. No.	Parameter	Technical & Functional Specification
1	Type	Rugged 1U Rack Mountable
2	Processor	Minimum 8 Core Xeon or better
3	RAM	128 GB DDR5 4800 MT/s
4	HDD	4 × 2.4TB 10K RPM SAS 12Gbps (Day 1)
5	OS	Compatible with proposed software & hardware

3. VPN

Sl. No.	Parameter	Technical & Functional Specification
1	Security	AES-256 Encryption
2	VPN Servers	7,700+ servers in 100+ countries
3	Protocols	IKEv2/IPSec, OpenVPN

4	Specialty Servers	Obfuscated, Double VPN, Onion over VPN
5	Devices	10+
6	Bandwidth	Unlimited
7	Leak Prevention	DNS & IP

Parking Implementation

The framework for the smart parking system adopts a hybrid operating model that brings together surveillance infrastructure, field staff, and real-time data systems to enable transparent operations, efficient management, and a user-oriented parking experience within the designated parking corridors.

The real-time parking information shall be integrated to a centralized system and effectively communicated to the users via app based/web based and VMS boards installed on the major intersections and streets as specified in Section 2.